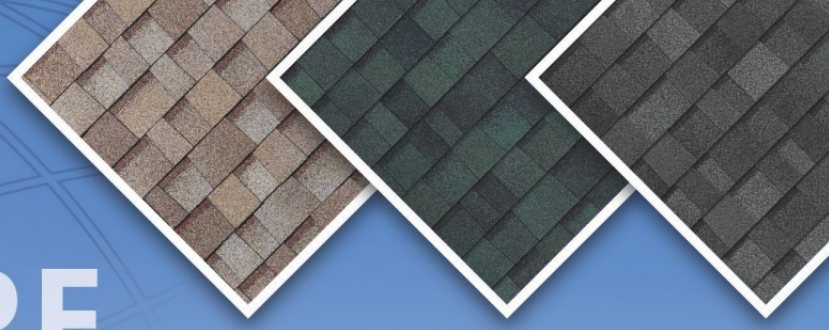


THE FUTURE

OF MAINTENANCE FREE ROOFING

GLOBAL
innovative building systems

PROUD SUPPLIER OF
OWENS CORNING® PRODUCTS

OWENS CORNING®
INNOVATIONS FOR LIVING®

www.gissa.co.za

GLOBAL INNOVATIVE BUILDING SYSTEMS

Our core business is the supply and distribution of Asphalt Roofing Shingles, Orientated Strand Board (OSB) and a broad range of Industrial/Building and Acoustic Insulation materials. We are also a specialised Merchant for the Gyproc Group and supply the entire range of Nutec Everite building products including the popular Autoclaved Aerated Concrete (AAC) building blocks.

Saving Energy is our business and all products supplied contribute to the "GREEN BUILDING" initiative. We are members of TIASA (Thermal Insulation Association of South Africa), SASFA (South African Steel Frame Association) and ITCSA (Institute of Timber Construction South Africa).

Global Innovative Building Systems is dedicated to providing the most effective and long-lasting solutions to your roofing, insulation and building requirements.

"SERVICING THE BUILT ENVIRONMENT"

WELCOME TO OUR SHINGLE ROOFING SYSTEM

A - Ventsure Ventilation System

B - Hip & Ridge Shingles

C - Shingles

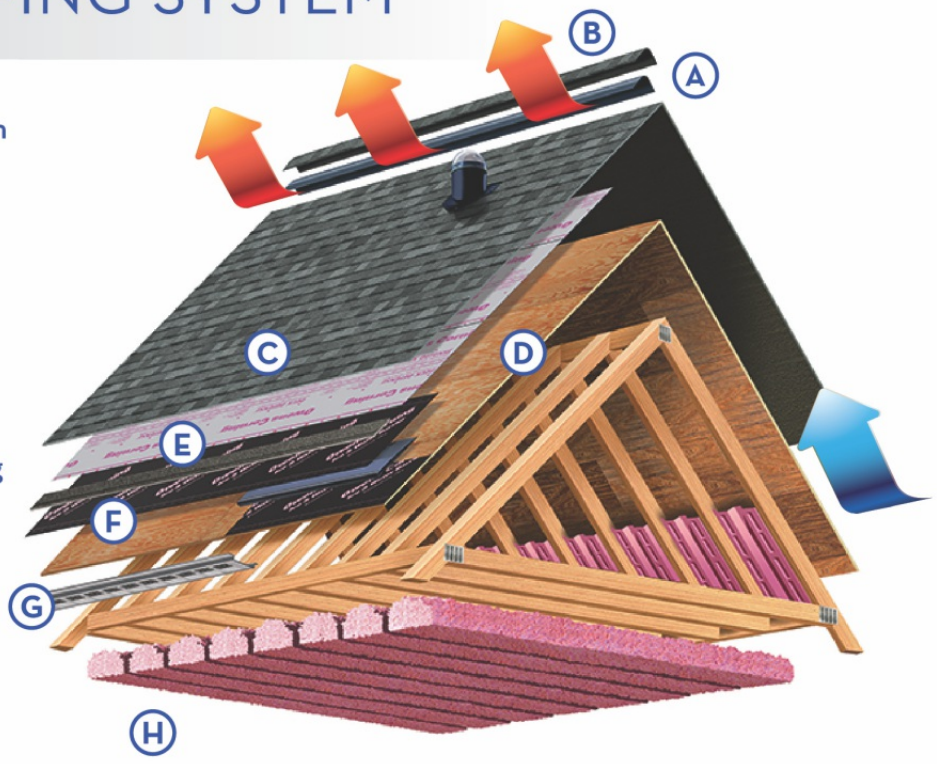
D - Oriented Strand Board

E - Waterproofing Membrane

F - Weatherlock Waterproofing Underlay

G - Drip Edge

H - Ceiling Insulation



KEY PRODUCT BENEFITS

- EASE OF INSTALLATION
- MODERN AESTHETICS
- WATERPROOF
- WIND RESISTANT
- EXCELLENT COLOUR-FASTNESS
- LOW MAINTENANCE
- FIRE, SAFETY & SECURITY
- HIGH UV RESISTANCE
- THERMAL EFFICIENCY
- LIGHTWEIGHT 22kg / m²

Pictures courtesy of Wattle & Daub Roofing

THATCH CONVERSION

Thatch has long been an iconic roofing material in African architecture. As times change, the homeowners' needs change, many people are looking for alternatives to the dusty, drafty, high-maintenance thatch roofs. Architects have specified the asphalt shingle roofing system as a replacement of the thatch in various Estates.

Due to the profile and flexibility, Shingles allow installers and designers to cover intricate shapes and various roof geometries, which would be difficult with other roofing materials. Maintaining the pole framework and the original roof architecture reduces the cost of converting a roof from thatch to shingles, as new trusses are not required.

The combination of the products in the design of the system, creates a roof which is resistant to fire, wind and water ingress.

TruDefinition™ DURATION® SHINGLES
with SureNail® Technology

BRIGHT. BOLD. BRILLIANT.

From the cars we drive to the appliances we buy, we have the power to choose the colours we surround ourselves with. If you're looking to make your home truly vibrant, don't overlook using colour on your roof to help coordinate exterior accents like paint, trim and even landscaping. TruDefintion™ Duration® Shingles can bring it all together – helping to improve your home's aesthetics.

Whether you're looking to add more drama to your home or give it a knock-out new look, you'll be amazed at the difference the TruDefinition™ Duration® Shingles can make. When your home's elements work in harmony, the look will be undeniably spectacular.

The innovative features of TruDefinition™ Duration® Shingles with patented SureNail® Technology Offers the following:

BREAKTHROUGH DESIGN featuring a tough, woven, engineered reinforcing fabric to deliver consistent fastening during installation.

TRIPLE LAYER PROTECTION™ A unique "triple layer" of reinforcement occurs when the fabric overlays the common bond of the shingle laminate layers that offers excellent fastener holding power.

SUPERIOR ADHESION Our enhanced Tru-Bond® sealant grips tightly to the engineered fabric nailing strip on the shingle below.

EXCELLENT ADHESIVE POWER Specially formulated, wide adhesive bands that help keep shingle layers laminated together.

EXCEPTIONAL WIND RESISTANCE The industry's first asphalt roofing shingle engineered to deliver high wind resistance and consistent fixing.

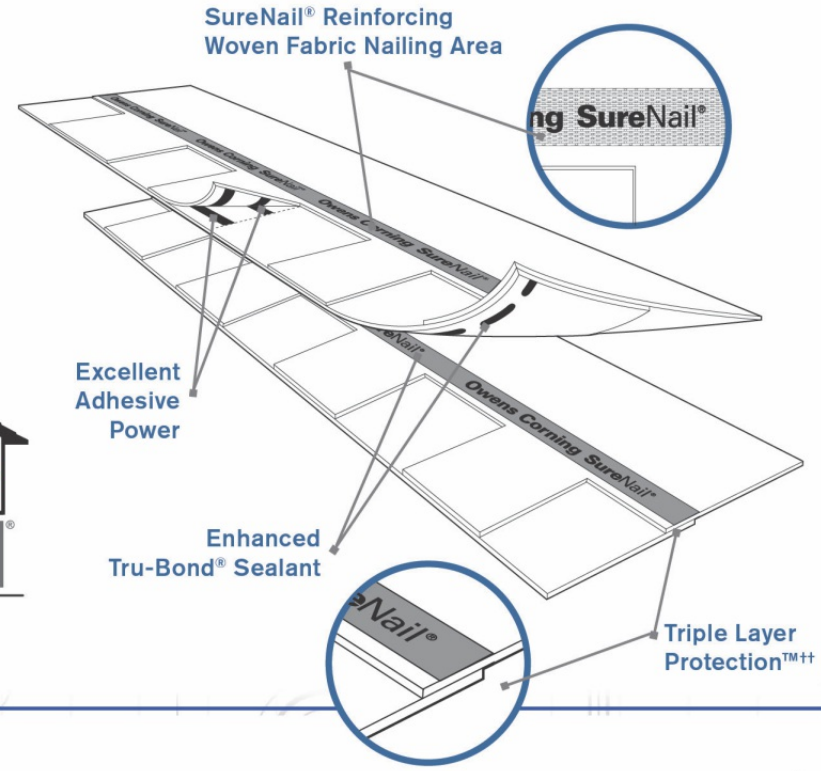
*R-Values for TruDefinition™ Duration® Shingles available upon request.

TruDefinition™ DURATION® SHINGLES
with SureNail® Technology

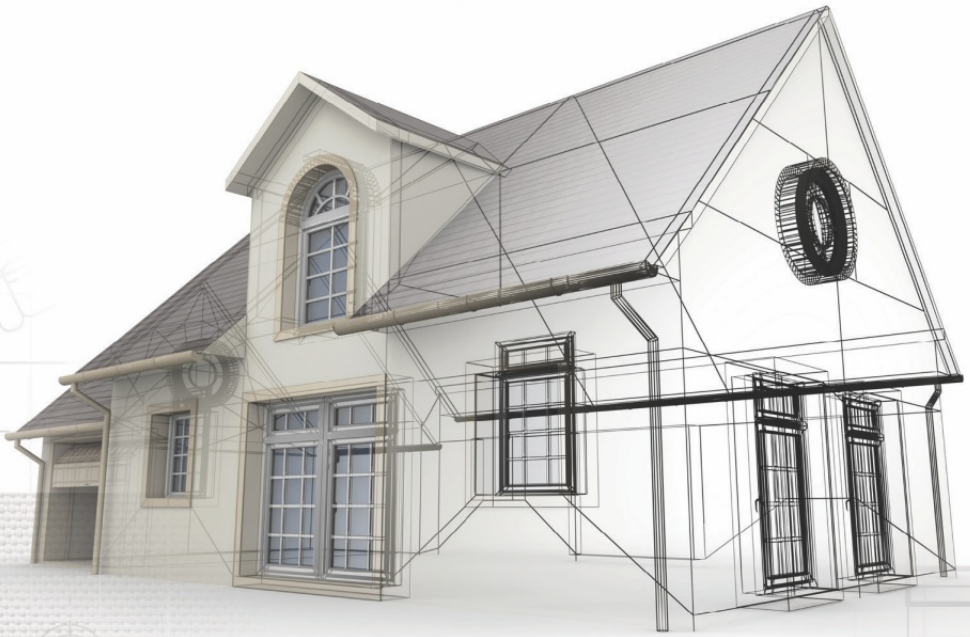
PRODUCT SPECIFICATIONS

Nominal Size	**336mm x 1000mm**
Exposure	**142mm**
Coverage per pack	**3m²**

Please allow for a 6-8 week lead time for alternative colour styles.



SureNail® Technology



VENTSURE®

Everyday activities like cooking, showering and washing dishes add moisture to the air. That moisture gets trapped in the loft causing condensation leading to mould and even rotting wood (i.e. trusses). In warm weather excess heat build-up, not only makes the building less comfortable and less energy efficient, it can also cause roofing materials to crack and age prematurely.

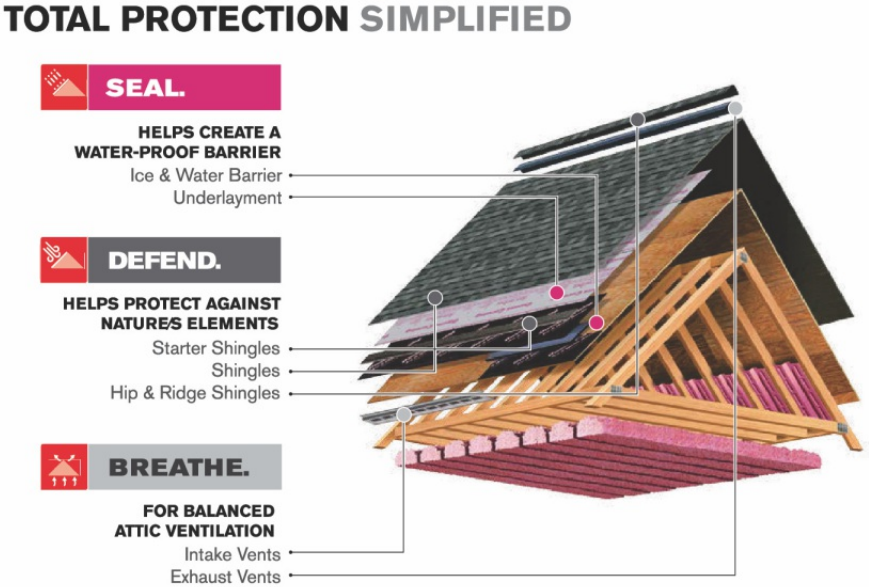
Global Innovative Building Systems are glad to provide you with a solution...

The VentSure® Ventilation System:

The patented ventilated system which has a unique design and easily installed between the ridge cap and roof deck generates air movement in the loft space balancing both indoor and outdoor temperatures and prevents overbearing heat loads trapped in roof voids.

Condensation under the decking is eliminated in winter, thus preventing premature ageing of the deck.

Note: Ventilation as intake venting for roof void of 0.09m² to be allowed for every 28m² of floor area of the building.



How It Works:

Wind blowing over the ridge creates a negative pressure that draws the warmer air out of the loft space. Replacement air enters through the under eave vents, bathes the underside of the roof and exits at the ridge cap, through ridge vents, roof vents or gable vents. Even with no wind, the natural convection action of rising warm air maintains a continuous airflow along the underside of a roof. A cooler environment is naturally created within the building.

In cooler climates, adding loft insulation will also create ideal living space and comfortable working conditions. In warmer climates, ceiling insulation will also help to keep 'cool' air from entering the loft, further reducing energy usage on air conditioners.

So now your home has a better looking, healthier, longer-lasting roof.

TOTAL PROTECTION ROOFING SYSTEM

FIRE RATING BY FIRELAB

The purpose of the investigation was to assess the fire propagation properties of the 'Owens Corning Shingle Roofing System' in accordance with the ASTM E108 test protocol.

Description of the System:

The shingle roofing system consists of 2mm thick overlapping bituminous strips nailed onto an orientated strand board (OSB) backing structure covered with a white waterproofing membrane. The strips have a rough external appearance and include a fiberglass scrim internal matrix.

Test Methods:

The system was subjected to the ASTM E108 test protocol titled "Standard Test Methods for Fire Tests of Roof Coverings". The protocol consists of a variety of tests, with these results determining whether the roof covering will be classified as Class A, B or C.

Burning Brands Tests:

These tests involve the placing of a burning brand on the test deck and recording observations related to flame spread along the roof surface, the production of burning debris and burn-through to the underside of the deck.

Intermittent flame exposure and flying brand tests were also done. For the full report please inquire with your sales representative.

Testing has been done in accordance with SANS 10177 Part 12 to enable calculation of boundary distances as in SANS 10400 Part T.

In the event of the installation of fireplaces (chimneys) ensure compliance with SANS 10400 Part V.

Test Results:

The test using Class A burning brands test (burning time of approximately 40 minutes) showed that the material did not ignite, the test deck showed some discoloration which was clearly visible, however the OSB never ignited and only showed signs of charring upon completion of the test.

Discussion of Results and Conclusion:

The results indicate that the 'Owens Corning Shingle Roofing System' does not display a tendency to propagate fire along the exterior surface of a roof, despite being classified as combustible.

The system would be classified as a Class A roof covering in terms of ASTM E108. These results indicate that the system can be used as a Class A roof covering.

The product has rigorously been tested for fire safety, achieving the International UL A1 Fire Rating. It has also been locally tested, passing the ASTM E 108 and the SABS 'burning brands' test.

WARRANTY

PRODUCT

ALGAE

WIND

We don't cover the following:

1 - *Acts of God, such as hail, strong storms (hurricanes) or winds over the maximum wind speeds specified.*
2 - *Improper or faulty installation of shingles. Installation must be in accordance with Manufacturers specifications and comply to local building codes.*
3 - *All ancillary products relating to the System.*

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